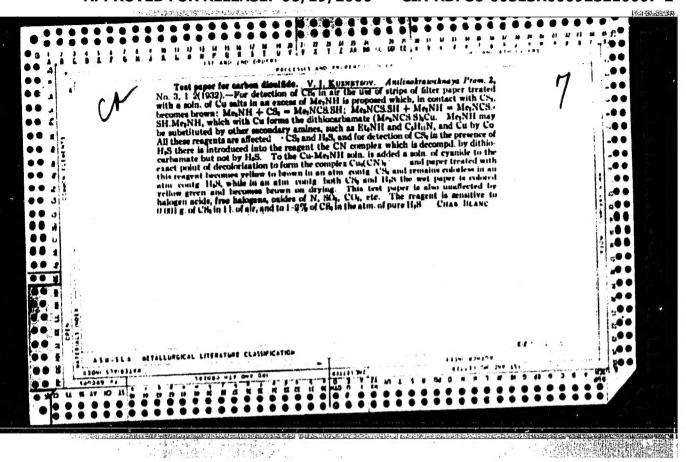
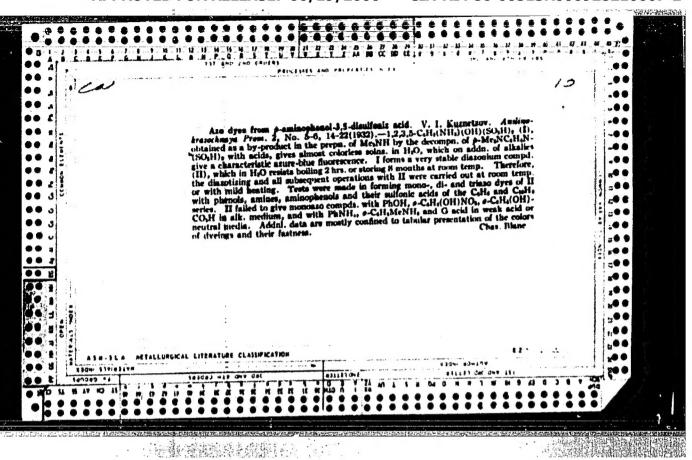
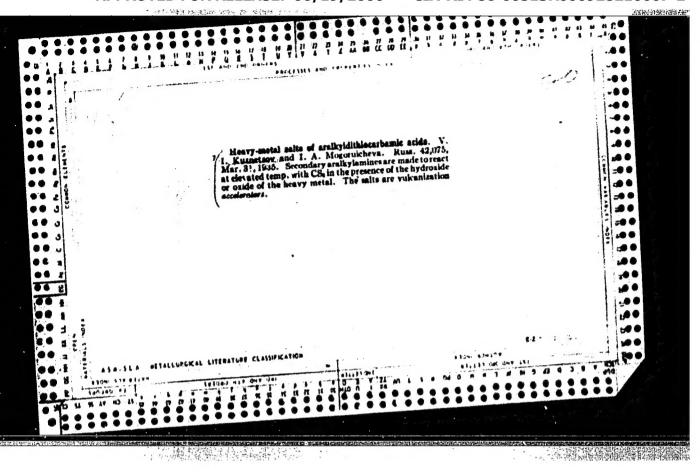
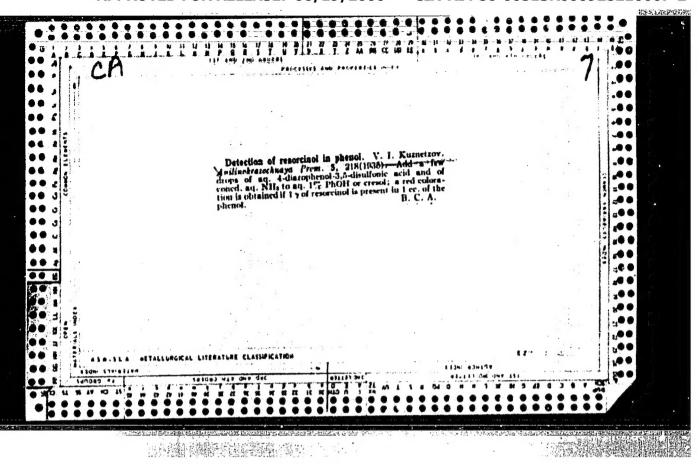
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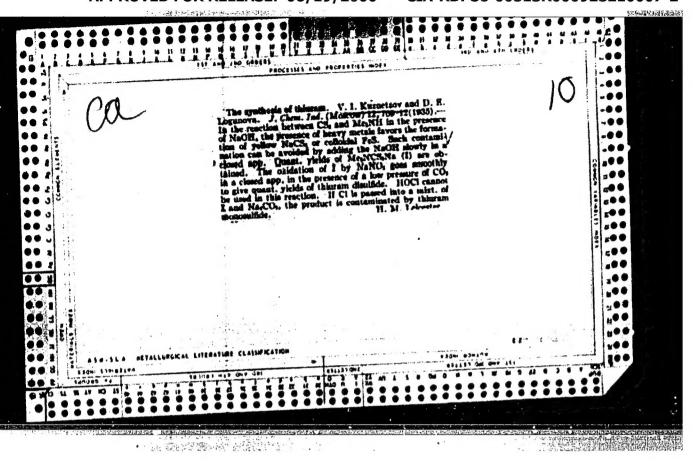


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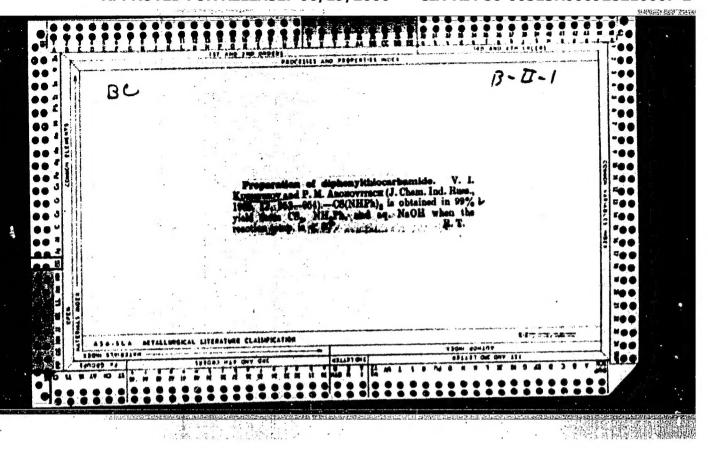




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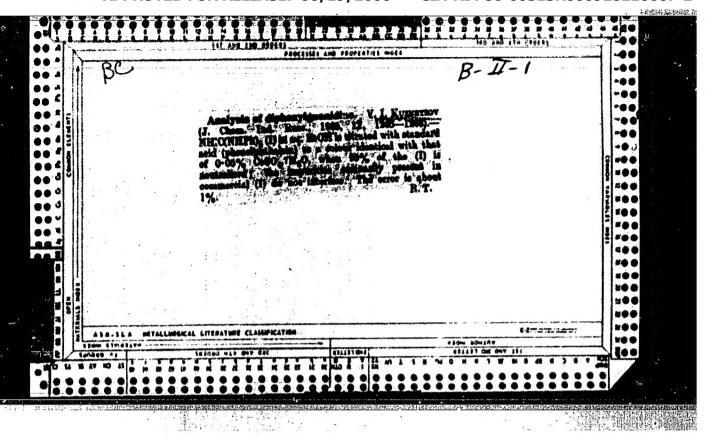


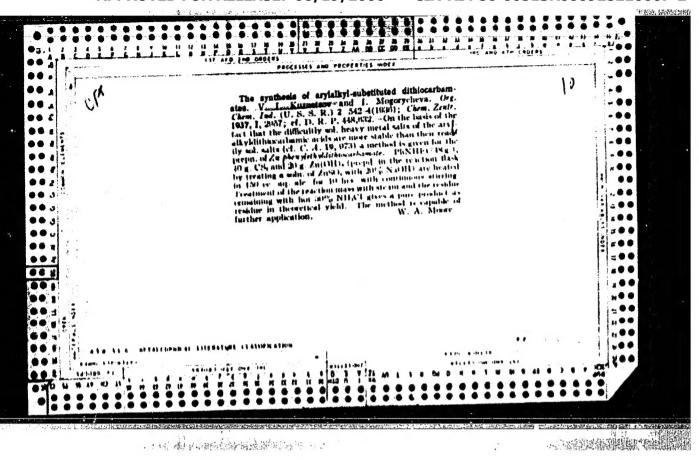
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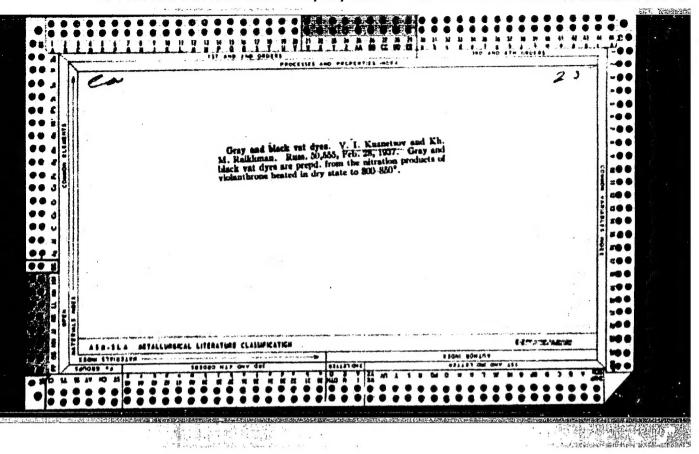


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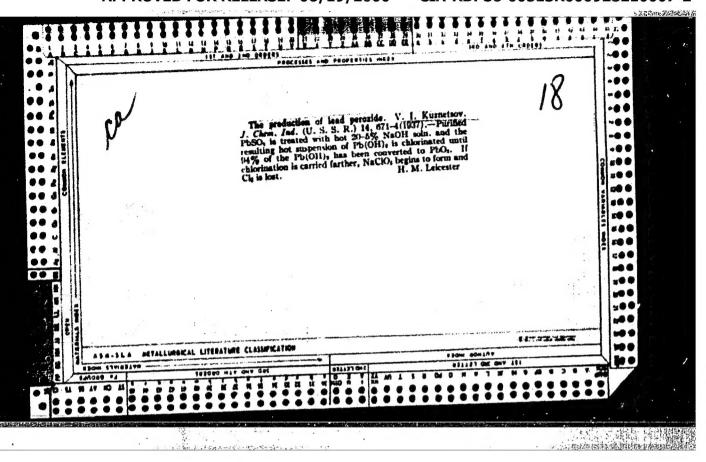
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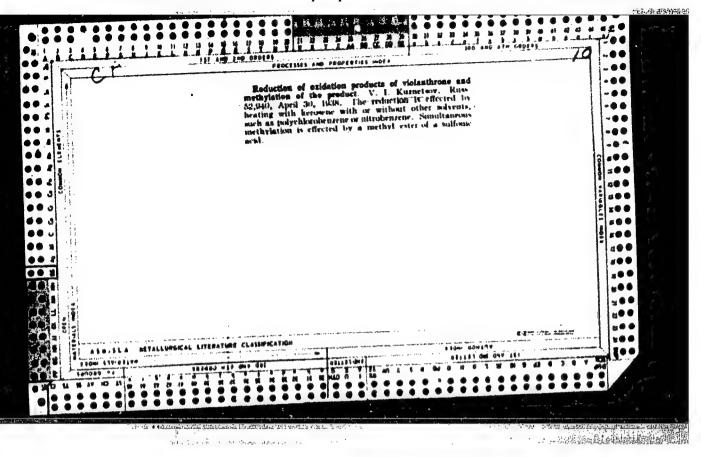


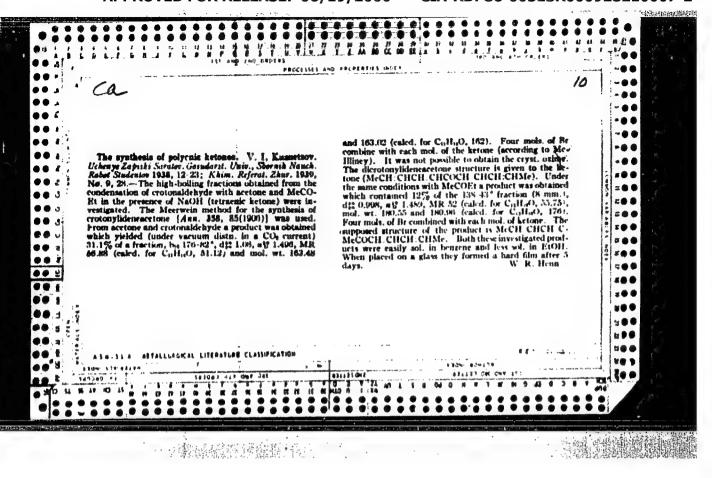




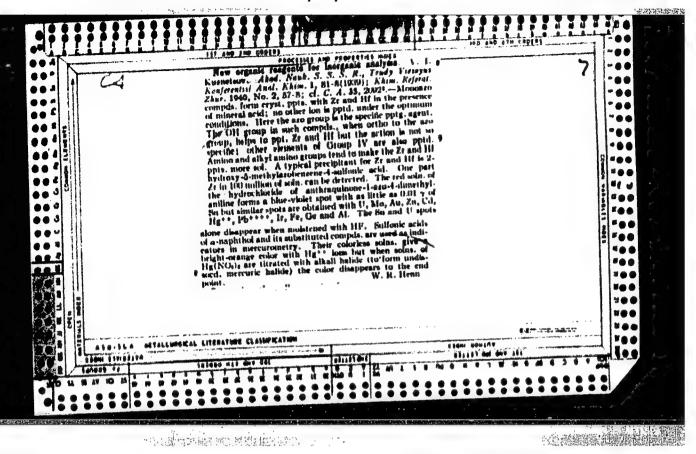
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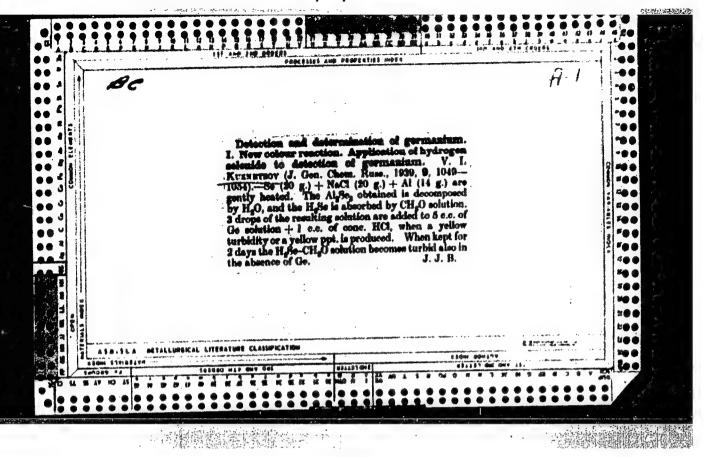




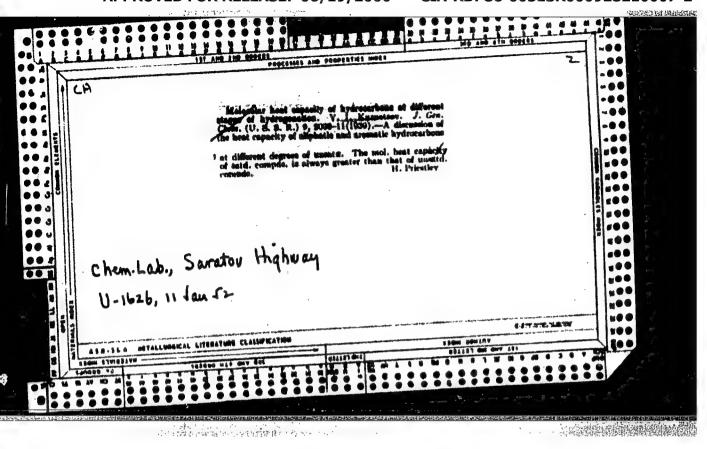


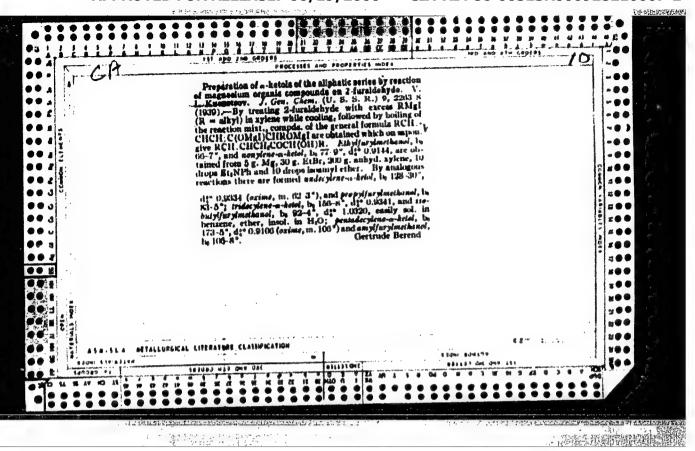
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CHELINTSEV, V. V.; KUZNETSOV, V.; KUZNETSOV, G.

"Condensations of Furanic Compounds -- IX. Eutectics of Ketono-Phenolic Systems and the Fixing Among Them of Oxonium Complexes, "Zhur. Obshch. Khim., 9, No. 2, 1939. Received 7 June 1938

U-1517, 22 Oct 1951.

KUZNETSOVAV818

600

- 1. CHELINTSEV, V. V., KUZHETSOV, V.I.
- 2. USSR (600)

"Furan Compounds and Their Condensation—XII. Polyene Compounds (Almhatic and Furanic) and their Condensation", Zhur. Obshch. Khim., 9, No. 20, 1939. Received 21 May 1939.

9. Report U-1626, 11 Jan 1952.

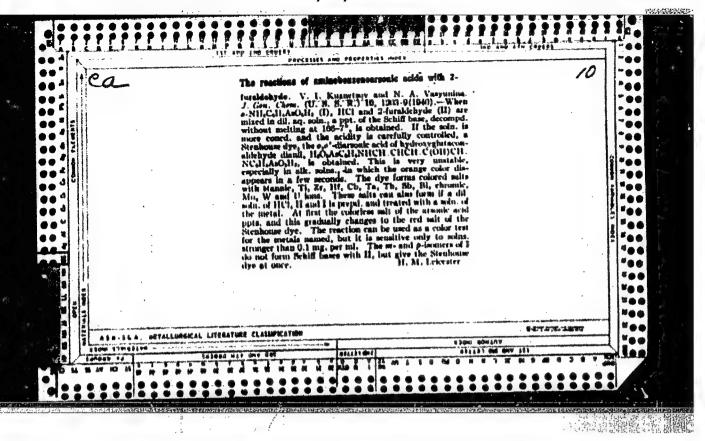
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- 1. KUZNETSOV, V.I.
- 2. USSR (600)

"Obtaining - Ketoles of the Aliphatic Series by the action of Individual Organomagnesium Compounds on Furfurole", Zhur. Obshch. Khim., 9, No. 24, 1939. Lab. of Organic Chem., Saratov Automobil'no-Dorozhnyy Inst. Received 10 July 1939.

9. Report U-1621, 11 Jan 1952.

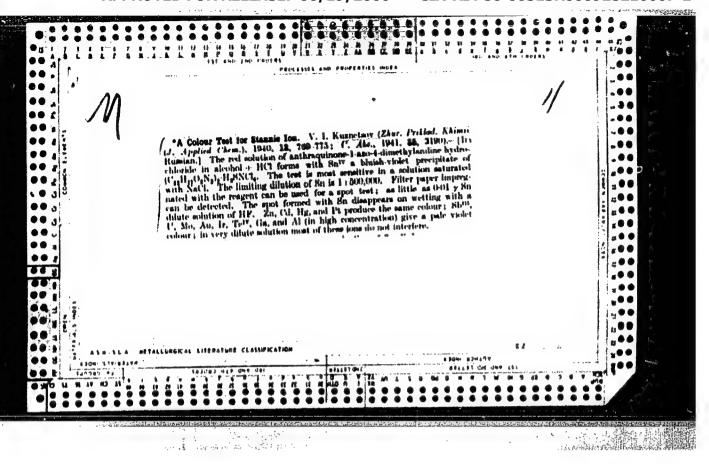


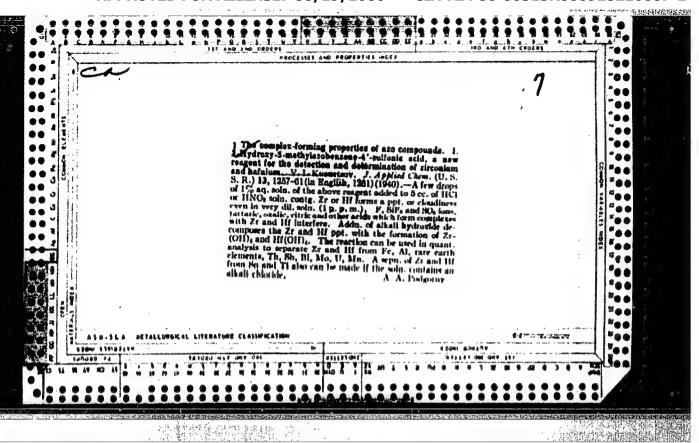
- 1. KUZNETSOV, V, I.: VASYUNINA , N.A.
- 2. USSR (600)

"The Reaction of Aminophenylarsenic Acid with Furfurol," Zhur. Obshch. Khim., 10, No. 13, 1940. All-Union Sci, Res. Inst. for Mineral Materials. Received 16, 1940.

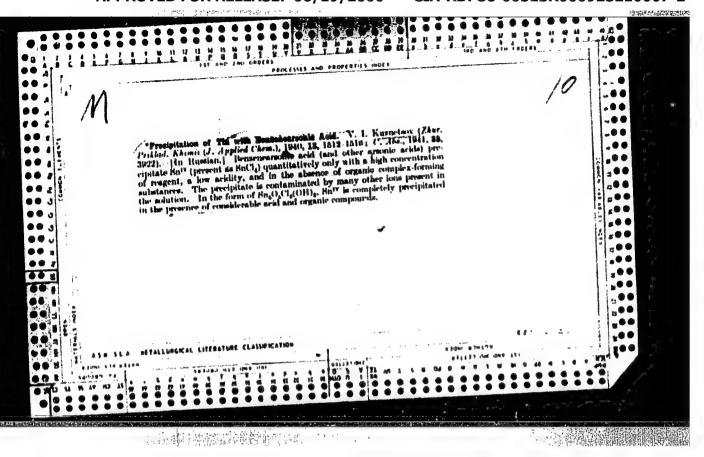
9. Report U-1610, 3 Jan 1952.

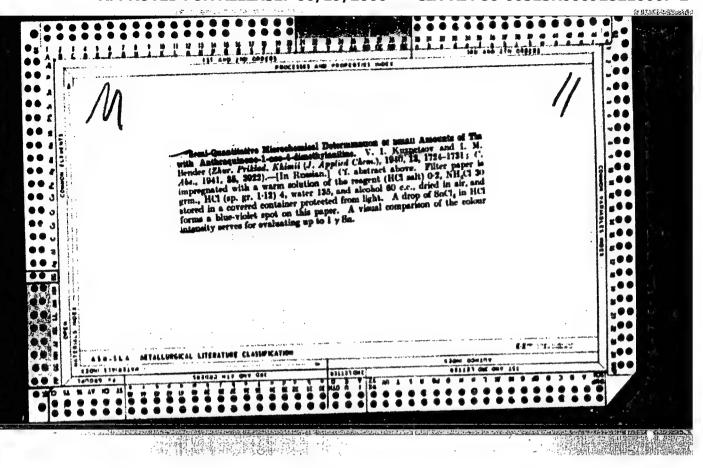
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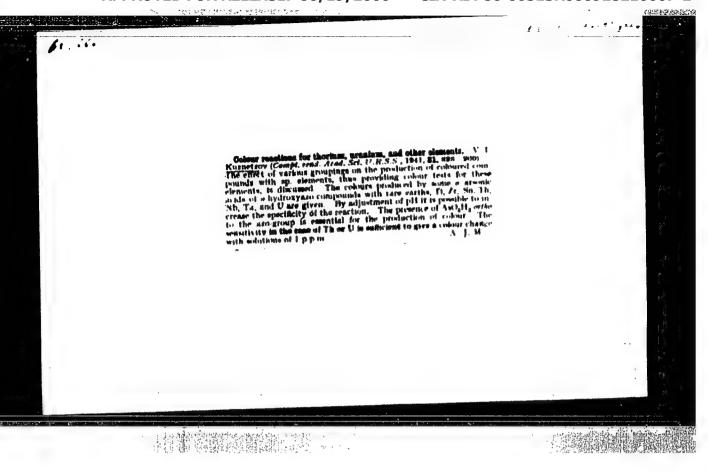


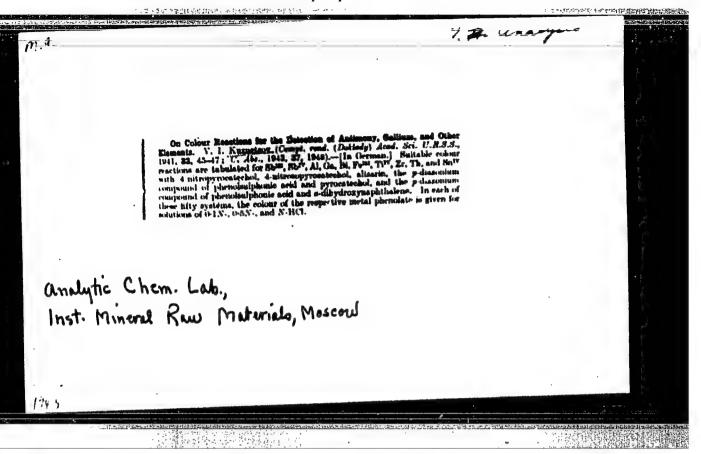


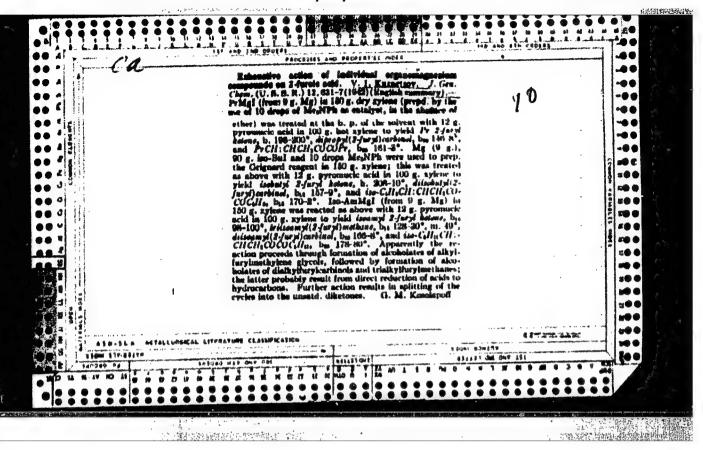
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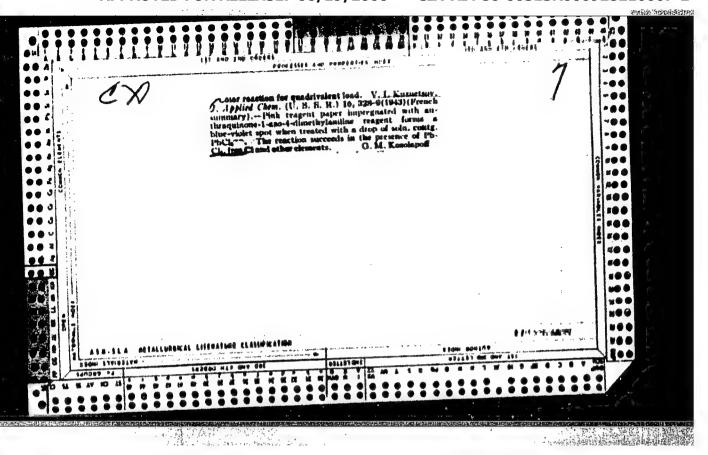


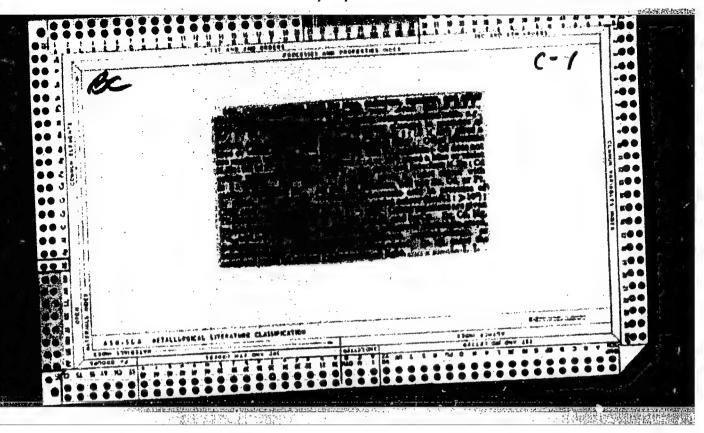


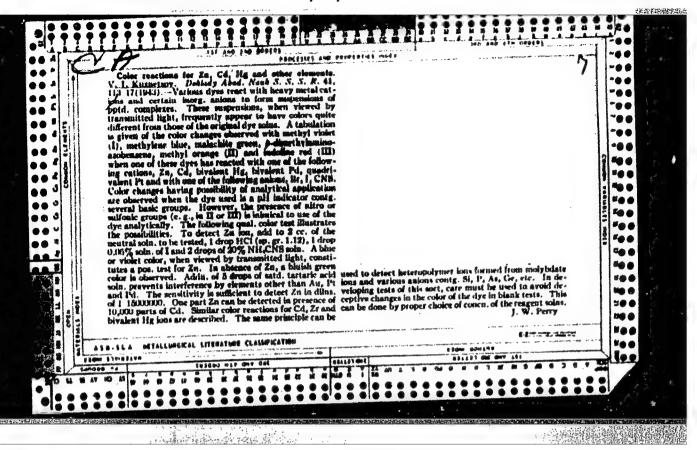


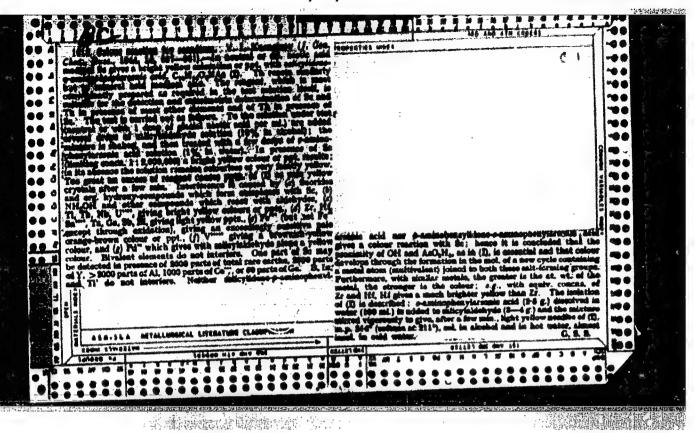


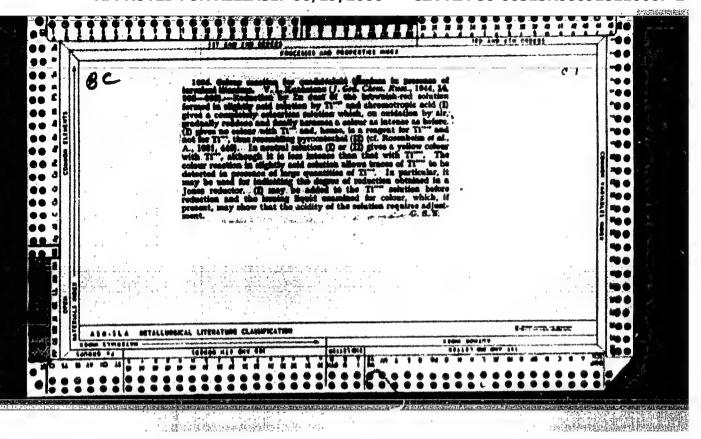
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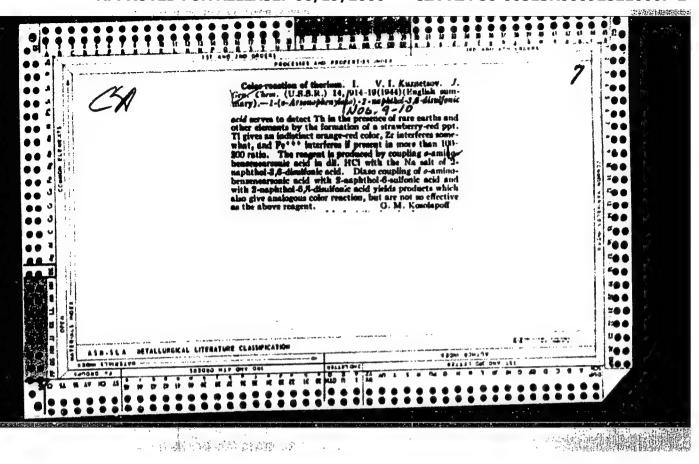








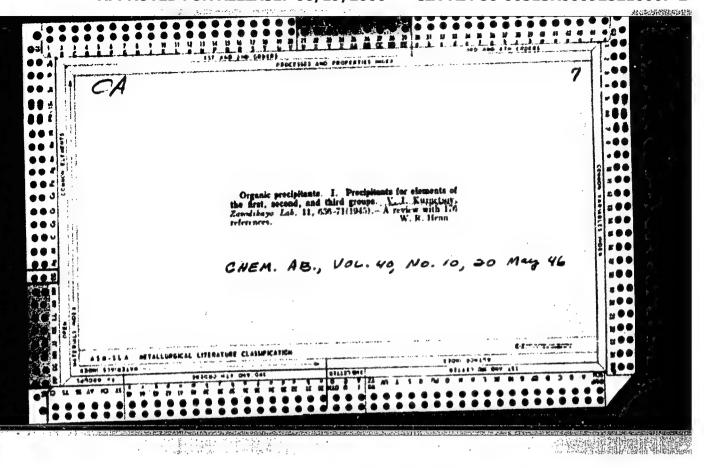
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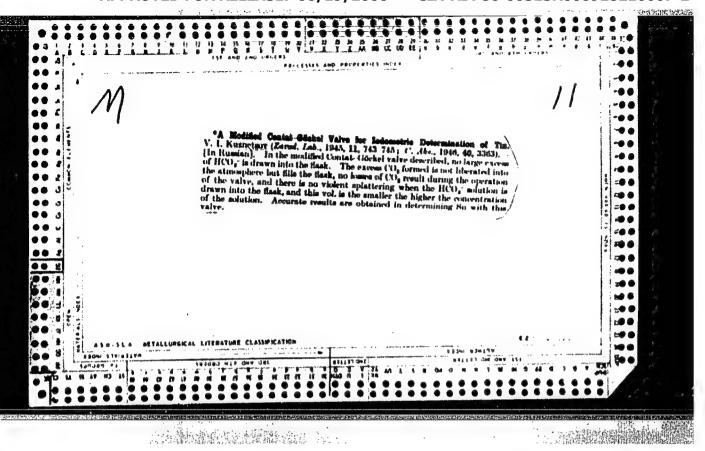


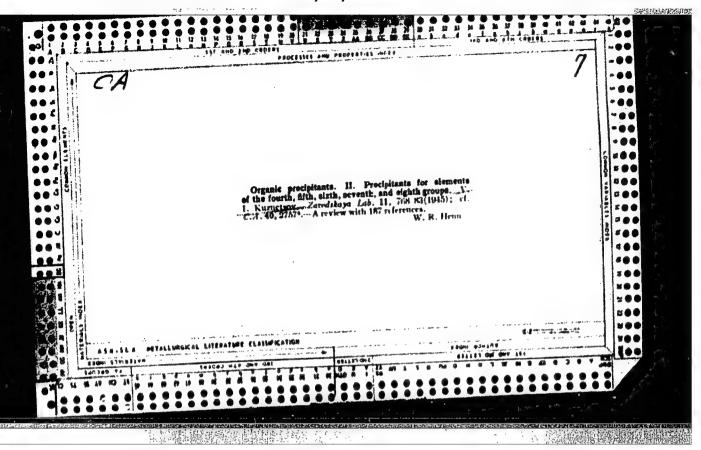
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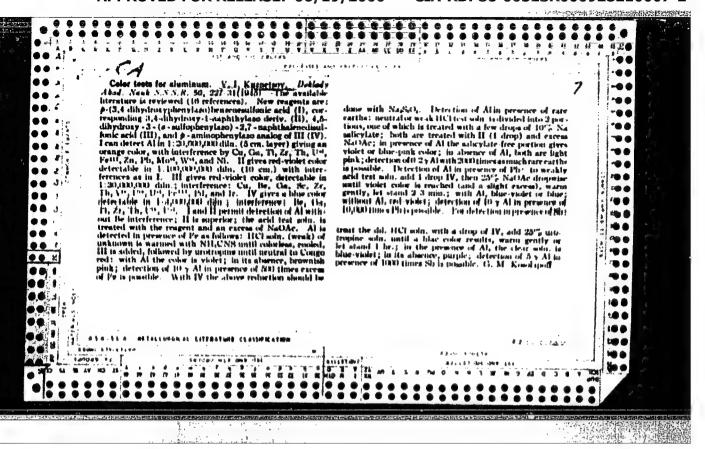


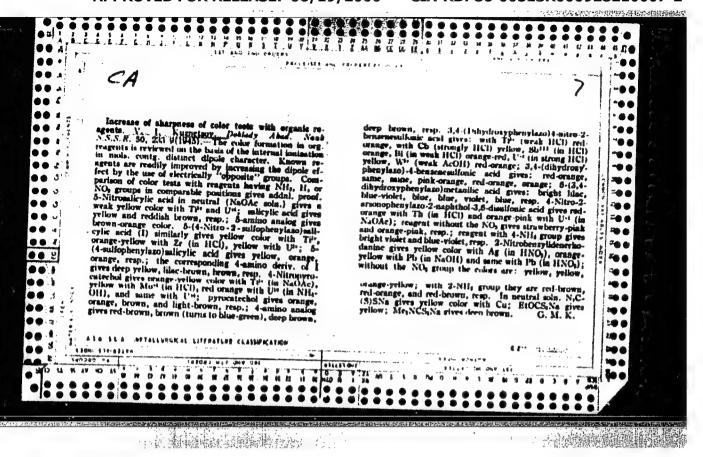
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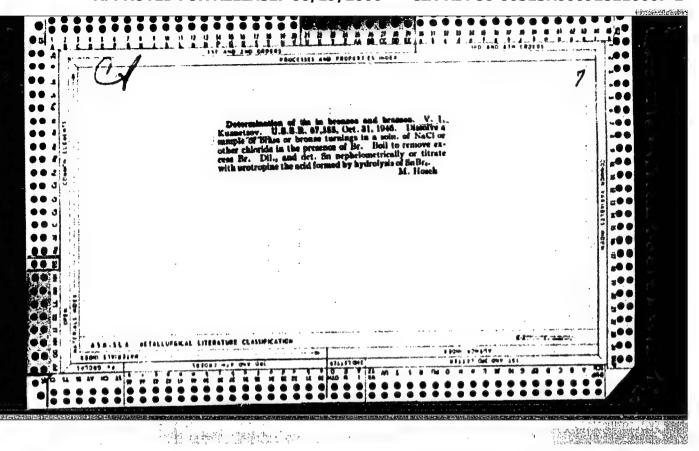






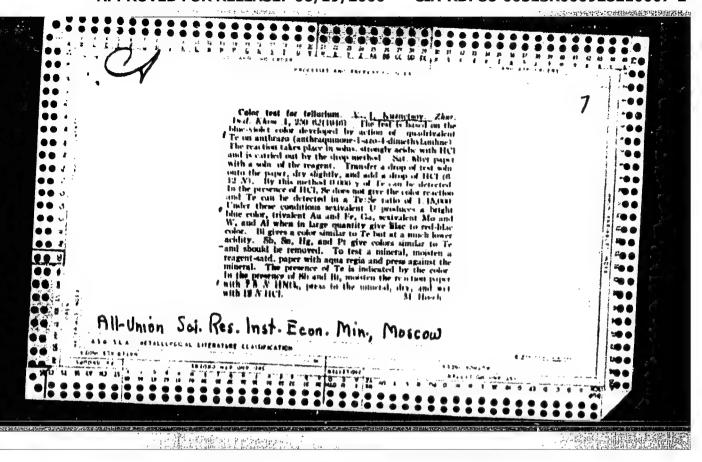






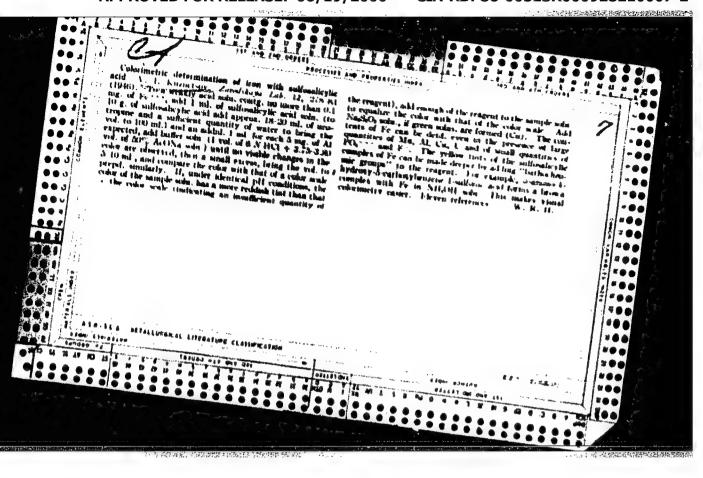
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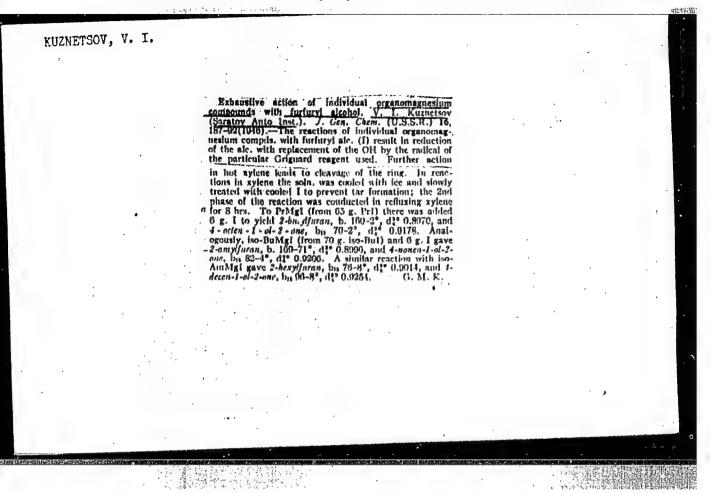
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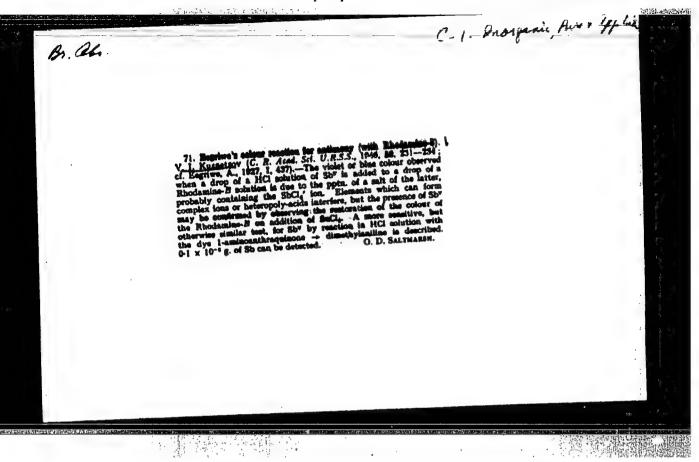


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# KUZNETSOV, V. I.

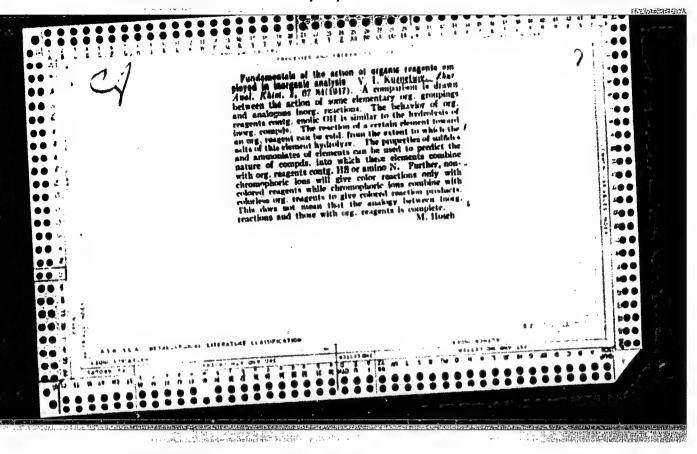
"Color Reactions for Quadrivalent Vanadium," Dok. AN, 52, No. 1, 1946. (Research Inst. Mineral Raw Materials. -1946-

"On E. Eegriwe's Color Reaction for Antimony (With Rhodamin B), Dok. AN, 52, No. 3, 1946. (Research Inst. Mineral Raw Materials-1945-.

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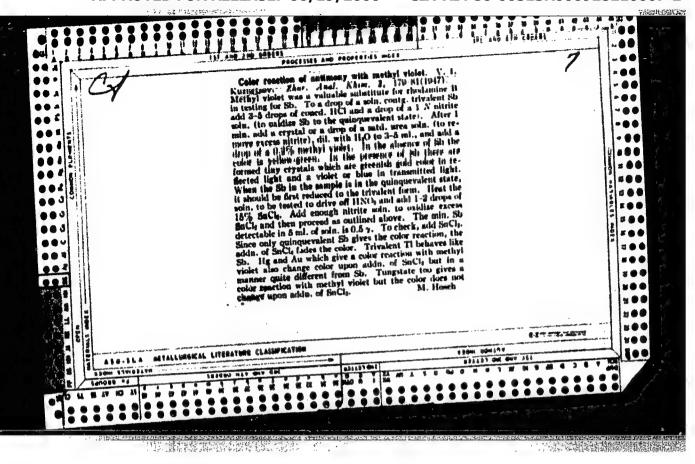
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Antim	ony - Determination	/Apr 1947	
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"Rapid Det	ermination of Antimony in Bronzes	and	
Brosses,"	V. I. Muznetsov, VMIS, 1 p		
Tavetnye	Metally" No 2		
Descriptio	n of methods for quick determinati	lan of	
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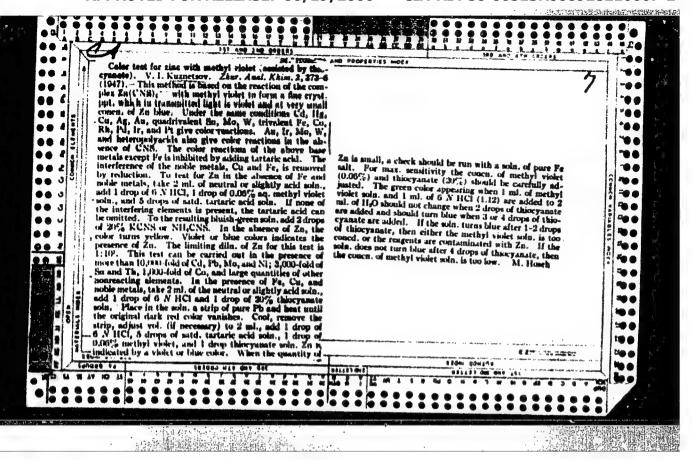
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KUZNETSOV, V. I.

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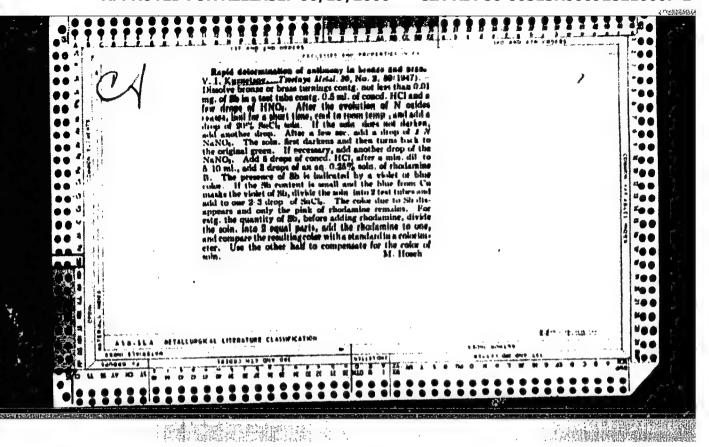
USSR/Chemistry - Iron Chlorides Chemistry - Solvents, Organic Feb 1947

"The Extraction of Iron Chloride from Hydrochloric Acid Solutions With Organic Solvents," V. I. Kuznetsov, 6 pp

"Zhur Obshch Khim" Vol XVII, No 2

Extraction with diethyl ether, treated as the formation of oxonium compounds.

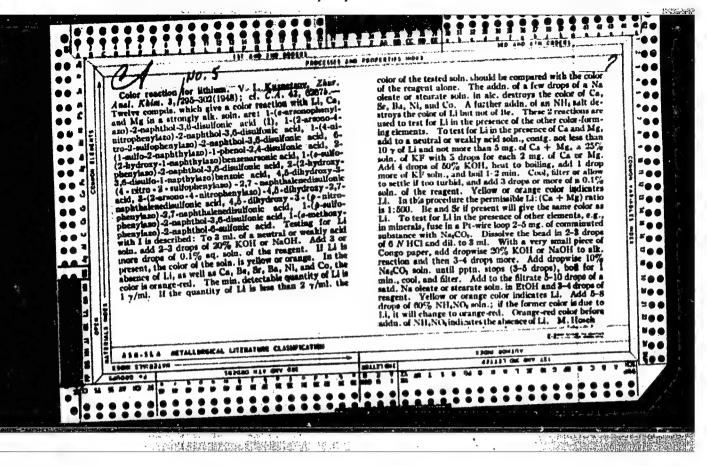
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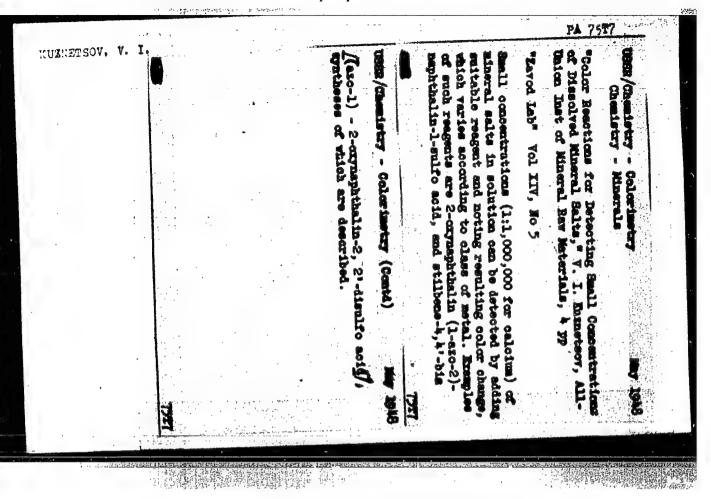


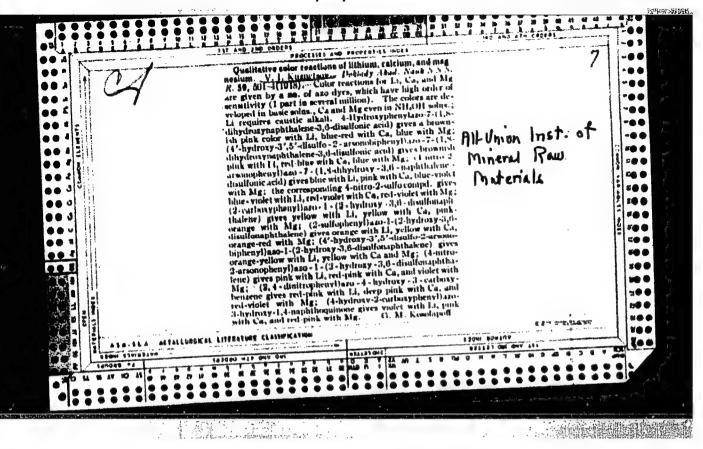
KUZNETSOV .- V.I.

Kuznetsov, V.I. "On the internal dissociation, coloration, and chemical activity of intracomplex and cell salts," (reference), Soobshch. o. nauch. rabotakh chlenov Vsesoyuz. khim o-va im. Mendeleyeva, 1948, Issue 2, p. 18-21

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949







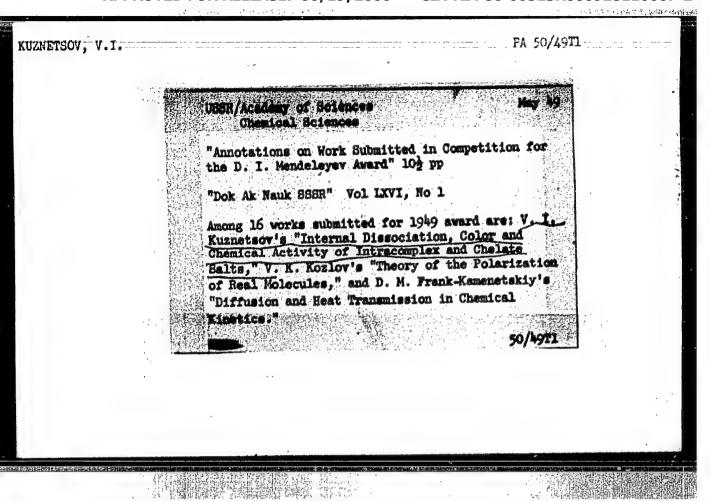
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KUZNETSCY, V. I.	Chemistry - Golorimetry Ghemistry Isomerism  Color Reactions, Connected With a Sepections, Formeter, Moscow, 2 Residues, W. I. Expetsor, Moscow, 2 Residues, T. Instruction for oblive solid-phase reactions for ontiquestors solid-phase reactions for anions, (6) solid-phase reactions for anions, (6) search for new organio reagents if (8) se
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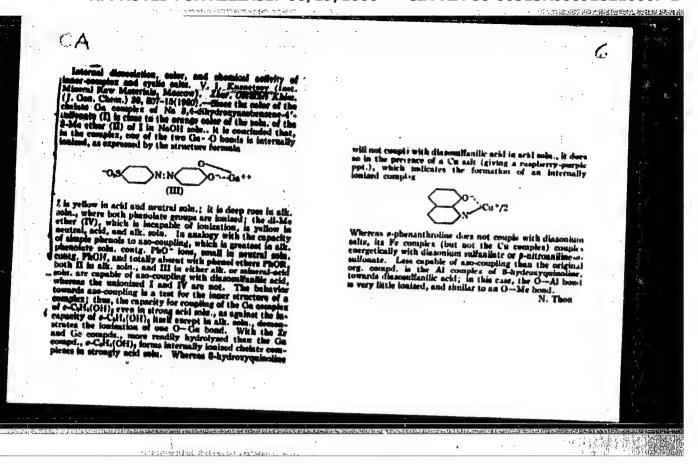
KUZNETECV, V. I.

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Zavisimost' Mineral'nogo Sostava Rud ot Vmeshcha Yushchikh Porod V odnom Rtutnom Mestoro Zh De Nii. Mineral. Sbornik (L'vov), No. 3, 1949, C. 63-74.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949





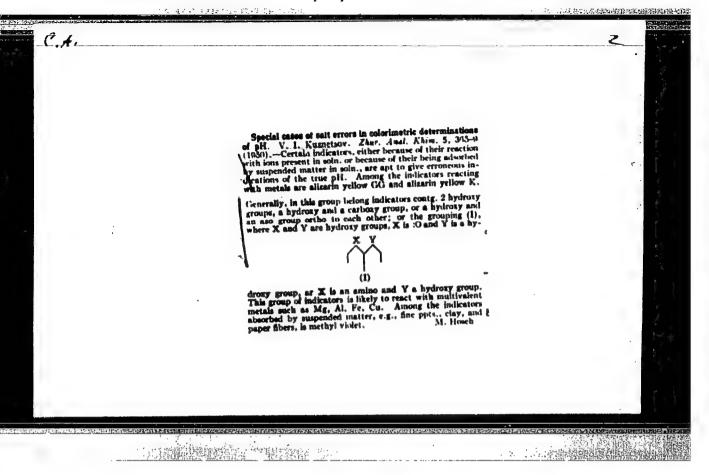
KUZNETSOV, V. I.

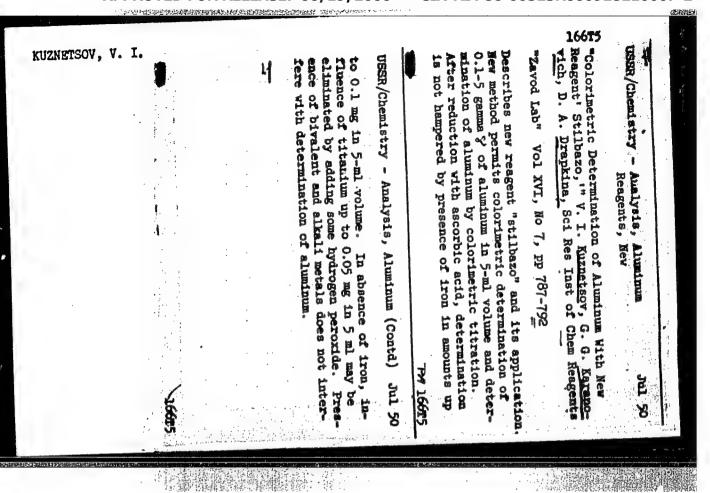
Doc Chem Sci

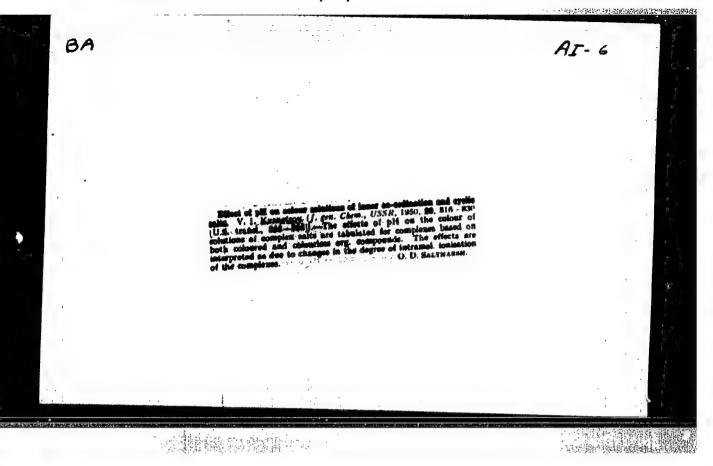
Dissertation: "Methods for Discovering the Color Reactions for Inorganic Ions." 15/11/50

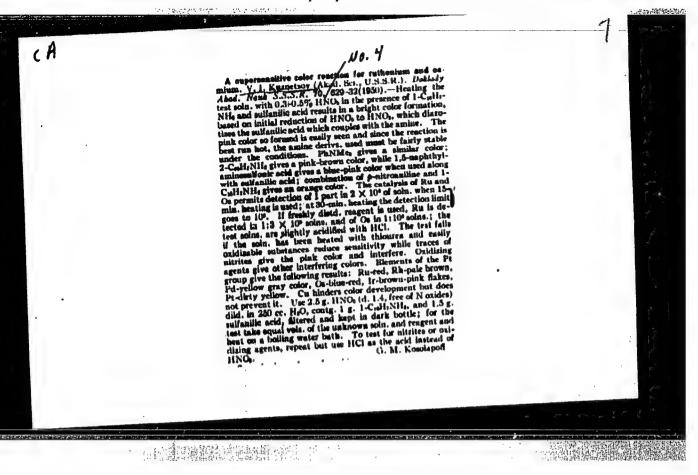
Inst of General and Inorganic Chemistry im. N. S. Kurnakov, Acad Sci USSR

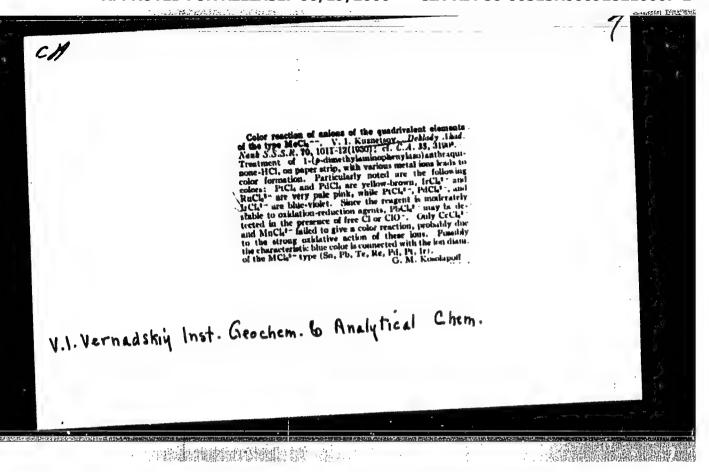
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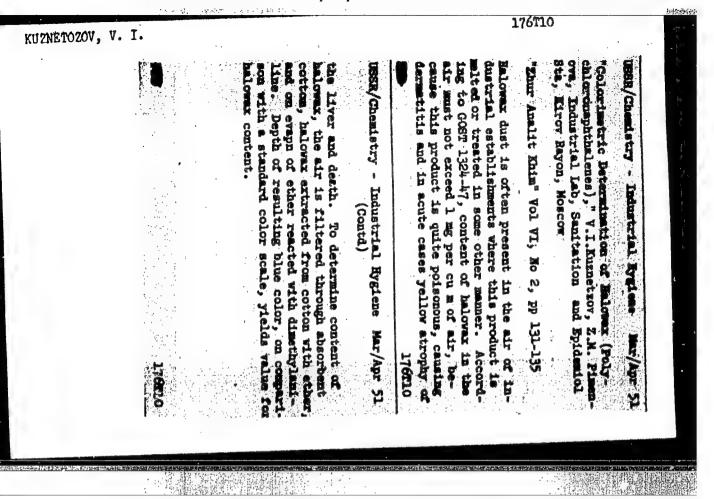












KUZNETHOV, V. I.

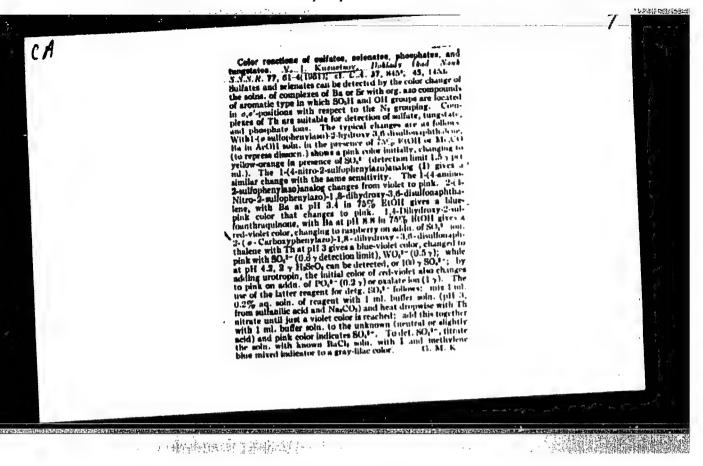
May/Jun 51

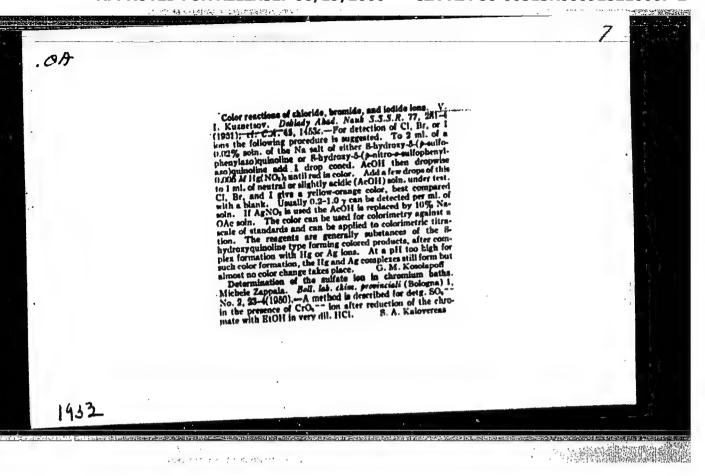
"Theoretical Bases of Color Reactions of Organic Reagents with Inorganic Ions," V. I. Kuznetsov, Inst. Geochem. and Anal. Chem. imeni Acad. V. I. Vernadskiy, Acad. Sci. USSR.

Zhur. Analit. Khim., Vol. VI, No. 3, pp. 139-148.

Examined theoretical bases of color reactions for determination of almost all elements, suggesting usefulness of analogy with simple hydrolysis. Org. Colorless reagents can give color reactions with ions of elements having "chromophoric action," colored reagents with any ion. Cyclic salts of org. reagents and elements often have "intramol.dissocm," whose variation produces color change. This concept makes possible prediction of color from ion, reagent, pH. "Solid phase" color reactions (pptn and suspensions), based on differences of color in dissolved and solid state, apply to any cation or anion. Mech used are: simple salt pptn. or suspension, (for noncomplex-forming, nonchromoforic ions, anions of high mol. wt.); formation of complex, compound for Hg, Zn, Cu, Sb, Ga, Al, V\*\*\*\*, Li, Ca, Mg); masking action by complex formation, or reaction of ion with complex colored compound to form more stable compound of ppt (for F-, Cl-, Br-, I-, SO<sub>1--</sub>, H<sub>2</sub>PO<sub>1+</sub>). Kuznetsov mentions his discovery of several hundred new color reactions.

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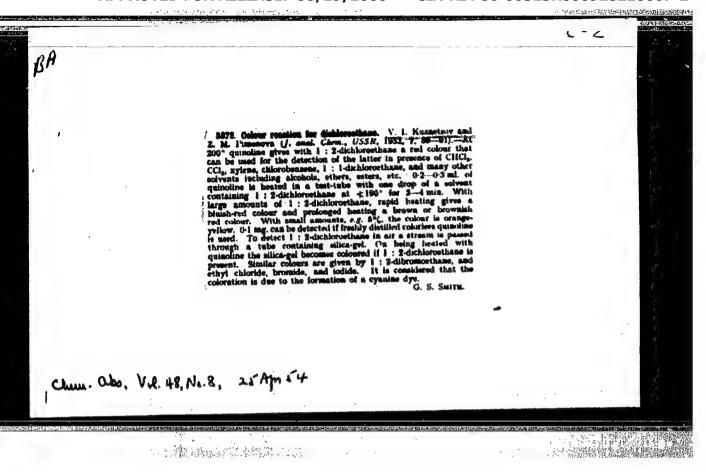


KUZNETSOV, V.I.; KOSHELEVA, O.N.

New azo indicators of the mothyl orange series and the relation between the structure and pH of their transition. J. Anal. Chem. U.S.S.R. 7, 61-7

152 [Engl. translation].
(CA 47 no.19:9849 153)

1. Inst. Chem. Reagents, Moscow.



# Chromopheric action of the elements. Uspekhi Khim. 21, 175-206 '52. (CA 48 no.2:415 '54) (MLRA 5:2)

261727

KUZNETSOV, V. I.

Gor'kiy - Chemistry, Analytical - Congresses

Regional conference held 4-6 June 52 called by Gor'kiy Stata U. Forty reports were heard, a number of them devoted to the theory of the action of org reagents, and to their utilization in analysis. V.I.Kuznetsov and L.M.Kul'berg reported on the effect of the peculiarities of the molecular structure of an org reagent on that reagent's reaction capability. B.A.Platunov pointed out that the completeness of the ppth of W by org reagents is detd by the nature of the precipitator and the state of the W in soln. V.M.Peshkova spoke on the ease with which dioxime complexes of Ni could be extracted during the colorimetric detection of Ni in the presence of Co and other elements. A.K.Babko reported on utilizing silicomolybdic acid and phosphomolybdic acid in aralysis. V.B.Avilov was heard on the physicochem bases of the iodometric detection of As, Sb, Fe, Sn, Cr, and V, and on the theoretical bases of certain oxidizing-reducing reactions. A.M.Vasil'yev, V.F. Torpova, and A.A.Busygina reported on the possibility of separating Cu, Cd, and Zn by ionic exchange on Wofatat R with solns containing thiosulfate and

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

acetates. Reports were also presented on sanitation-hygienic analysis.

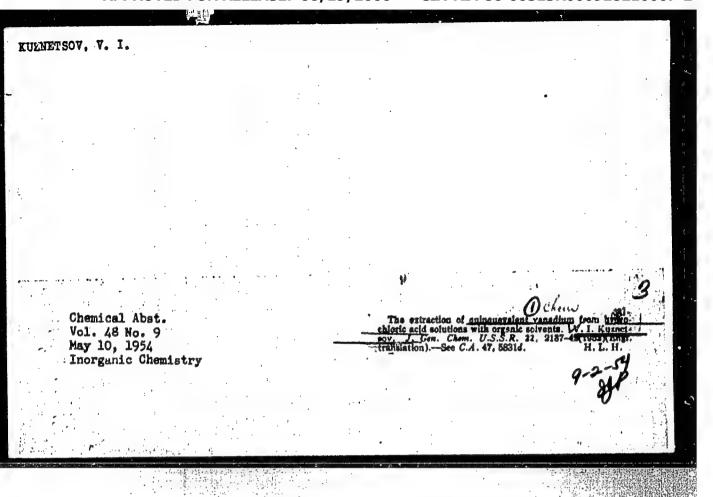
KUZNETSOV, V. I.

Earths, Rare

Color reaction of rare earth elements. Zhur. anal. khim., 7, No. 4, 1952.

The reagent, arsenazo (benzene-2-arsonic acid - <1-azo-2> -1,8-dioxynapthalene-3,6-disulfo acid) (Na-salt), dissolves in water with a rose color and forms a red-violet coloration when brought together with rare-earth elements in a neutral medium. This coloration permits the detection of these rare-earth elements in dilutions up to 1:3,000,000 Describes the detection of rare-parth elements in pure solns and points out ways of removing implediments to iron and other reacting agants elements. Also describes the method for detecting rare-earth elements in minerals, where part of the reacting elements are separated by co-precipitation (during the hydrolysis of stannic chloride) with the precipitating metastamic acid, while other reacting elements in soln are masked by ammonium salicylate.

Monthly List of Russian Accessions. Library of Congress, October, 1952.
Unclassified.



tekhn, isd-vo khim, lit-ry, 1953, 668 p.

(MERA 714)

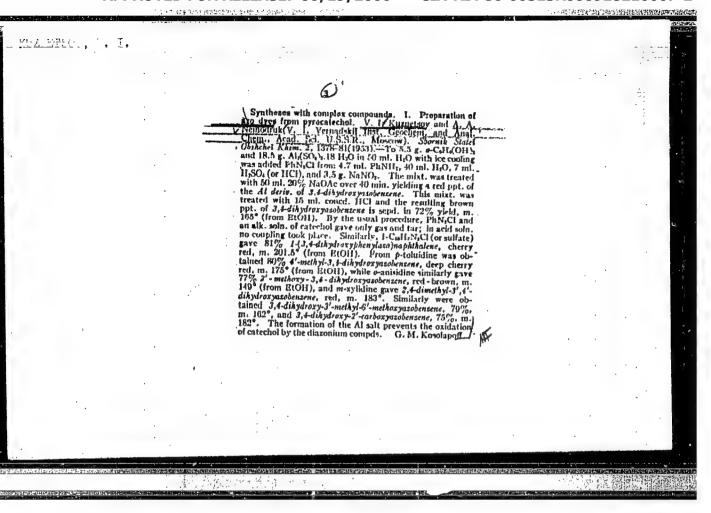
(Chamical tests and reasonts)

KUZHETSOV. V.I., doktor khimicheskikh nauk; GLOBUS, R.L.; KARSKAYA, T.N.;
MIKHAYLOV, G.I.; PEVTSOV, G.A.; PYATNITSKAYA, G.N.; ROZHIESTVENSKIY,
M.S. [deceased]; SOKOLOV, N.I.

[Chemical reagents and preparations] Khimicheskie reaktivy i preparaty;
spravochnik. Sostaviteli V.I.Kusnetsov [i dr.] Moskva, Gos. nauchno-

### "APPROVED FOR RELEASE: 06/19/2000

### CIA-RDP86-00513R000928210007-2



KUZNETSOV, V.I.; BUDANOVA, L.M.

Datermination of manganese by the persulphate method using cobalt as catalyst. J. anal. Chem. USSR, \*53, 8, 55-60. (MLRA 6:2) (BA - C pt.9:2470 \*53)

Co instead of Ag can be used as a catalyst for the exidation of Mn to the permanganate by ammonium persulfate or potassium persulfate for the subsequent volumetric or colorimetric detn of Mn. The mthod of exidation and the method for detg the permanganate formed are the dame as when Ag is used. In view of the small amount of Co salt added, and especially if added as a mixt with Ni or Cu, the soln analyzed does not have the rosy tint characteristic of Co salt solns.

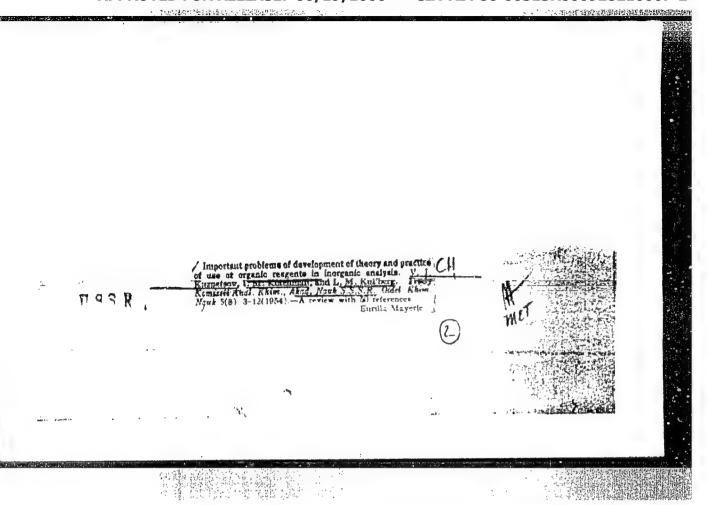
- 1. KUZNETSOV, V. I.; KOZYREVA, L. S.
- 2. USSR (600)
- 4. Vanadium
- 7. Analytical reactions of tetravalent vanadium, Zhur. anal. khim., 8, No. 2, 1953.

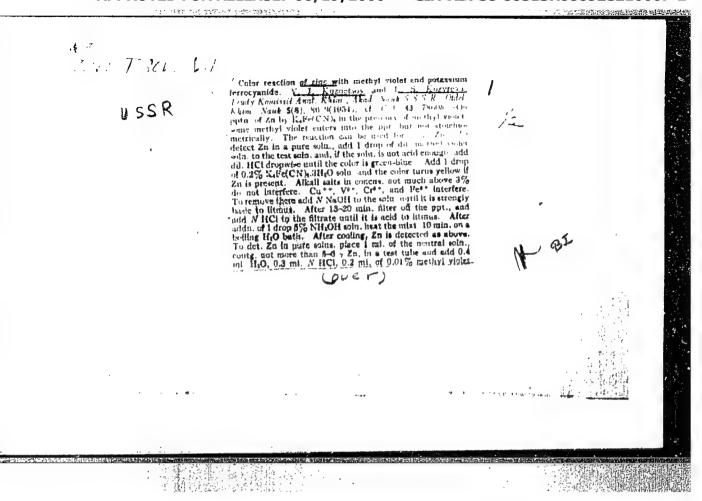
9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

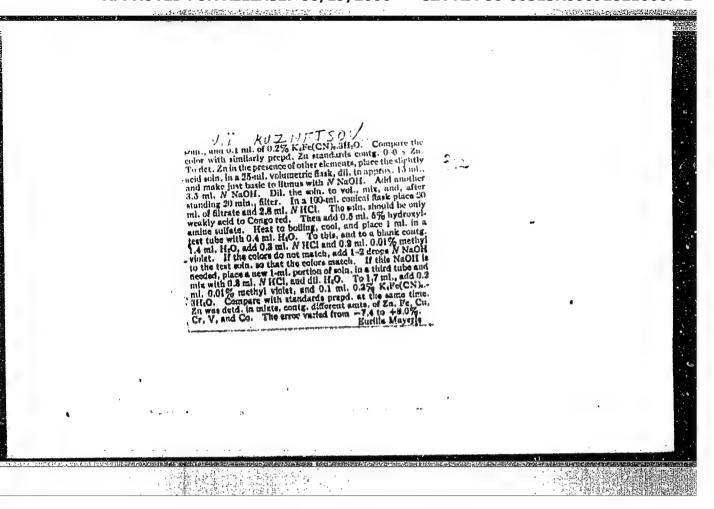
KUZNETSOV, V.I.; KOZYREVA, L.S.

Analytical reactions of quadrivalent vanadium. Zhur. Anal. Khim. 8, 90-104 153. (MLRA 6:4) (CA 47 no.20:10405 153)

1. All-Union Sci. Research Inst. Chem. Reagents, Moscow.







KULMETSOV, V. Z.

USSR/Chemistry - Precipitents

Card 1/1

Pub. 145 - 4/14

Authors

Kuznetsov, V. I.

Title

Organic co-precipitants (collectors). Part 1.-Theoretical bases of the offect of organic co-precipitants

Periodical

Zhur. anal. khim. 9/4, 199-207, Jul-Aug 1954

Abstract

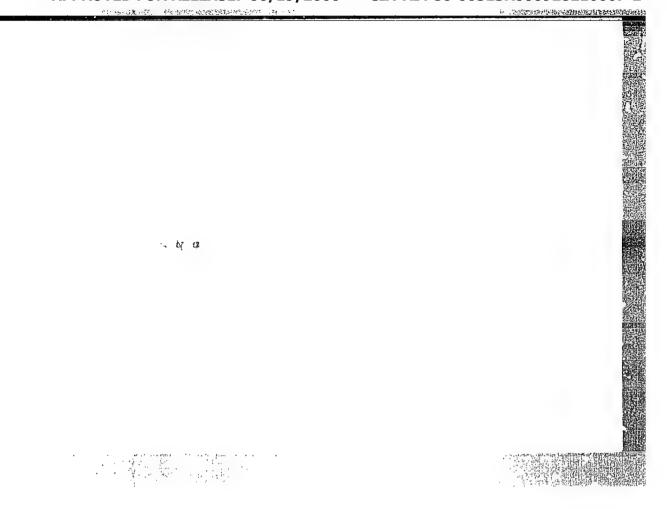
The importance of organic co-precipitants for preliminary concentration of micro-amounts of elements and consequent determination of the latter by well known methods is discussed. The advantages of organic co-precipitants over inorganic are described. Intracomplex, complex, as well as normal salts, of elements with greater organic part are considered the most suitable precipitating agents. Less soluble cation-salts of methyl violet or methylene blue and the salts of organic cations with heavy, volatile inorganic or organic anions, are among the best co-precipitants. Twenty-one references: 12-USSR; 4-German; 3-USA; 1-Hungarian and 1-Swedish (1936-1953).

Institution :

Acad. of Sc. USSR, The V. I. Vernadskiy Institute of Geochemistry and Analytical Chemistry, Noscow

Submitted

January 27, 1954



KUZNETSUb, t. I.

AID P - 1119

Subject

: USSR/Chemistry

Card 1/1

Pub. 119 - 2/5

Author

: Kuznetsov, V. I. (Moscow)

Title

: Chemical theoretical principles of isolation of elements

by extraction

Periodical

: Usp. khim., 23, no. 6, 654-696, 1954

Abstract

Review of various types of extraction, including extraction in the form of onium salts, extraction involving water-insoluble salts, and extraction based on physical distribution. Fifteen tables, 460 references (75 Russian:

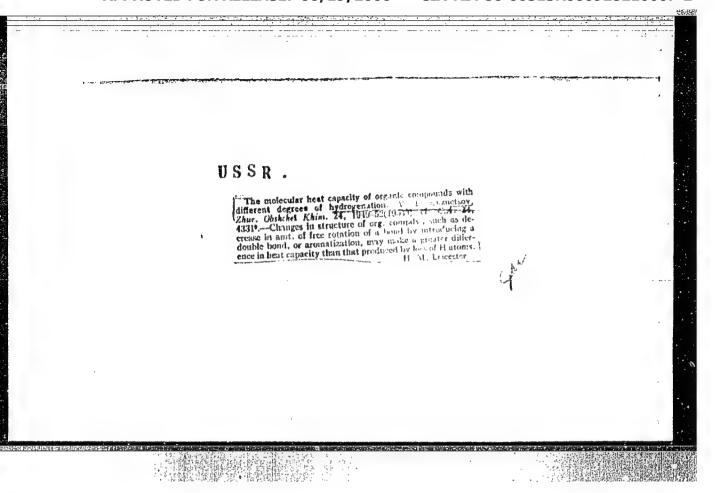
1895-1952).

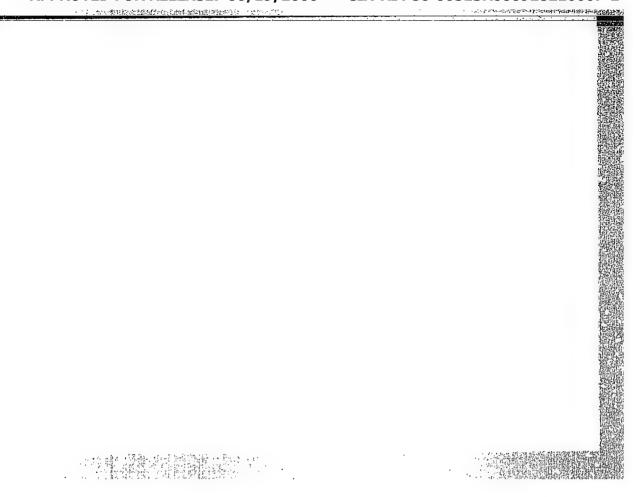
Institution:

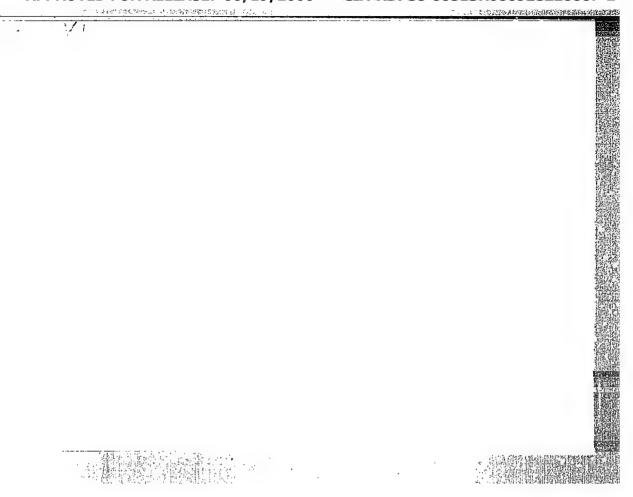
None

Submitted

: No date



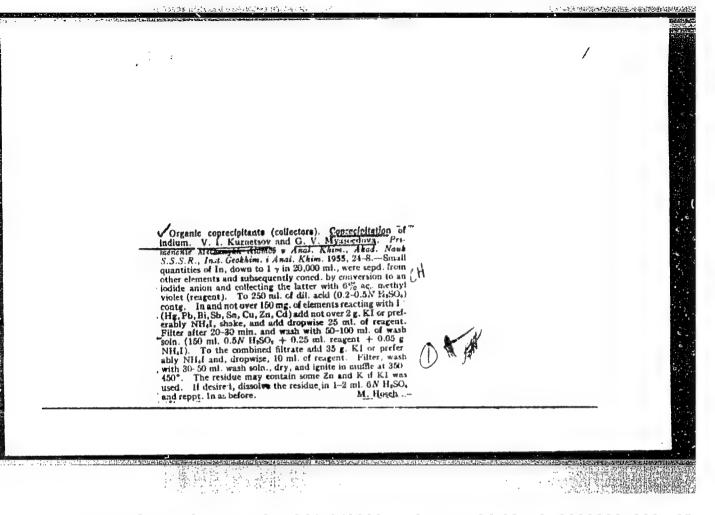




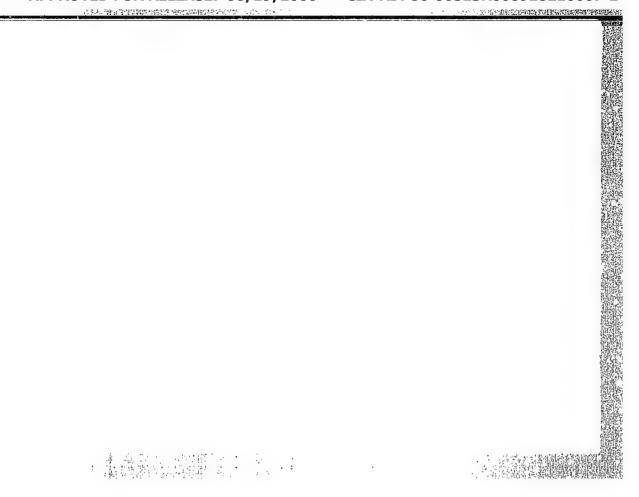
# "APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928210007-2

	UTILIZATION OF ORGANIC COPPLECIPITANTS IN ANA- LYTICAL CHEMISTRY. V. J. Kuznetsoy: p.301-19 in Meetings of the Unision of Chemistry Sciences. Sension of the Academy of Eciences of the U.S.S. R. on the Peaceful Use of Atomic Energy. July 1-5, 1935. Moscow Pebliching House of the Academy of Eciences of the U.S.S. R. 1935.  The author along with others elaborated methods of co- precipitation of Cu. Sr. Za. Cd. Ia. Ti. Ti. Sa. Zr. Hf. P. Nb. Ta. Cr. Mo. W. Ni and other elements with organic coprecipitants in some cases with simultaneous separation from almost all other elements. Even from 10 <sup>-10</sup> —10 <sup>-11</sup> mol. solutions coprecipitations are carried out quantitatively. All the experiments were carried out with the aid of radio- active isotopes. Organic coprecipitants are useful for pre- liminary concentration and separation of microquantities of element for the purpose of their subsequent determination  by spectral, polarographic or chemical methods. They are also useful for improvement of the existing and elaboration				
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